

Segment ID: 2201 Water body name: Arroyo Colorado Tidal

Tidal Stream		Nueces-Rio Grande Coastal Basin		Total size:		26 Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use							
2002	Dissolved Oxygen grab average	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	17	1	
2002	Dissolved Oxygen grab average	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	26	0	
2002	Dissolved Oxygen grab average	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	12	0	
2002	Dissolved Oxygen grab average	No Concern	Lower 9.0 miles of segment	9	26	0	
2002	Dissolved Oxygen grab average	Use Concern	Upper 4 miles of segment	4	16	2	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	17	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	26	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	12	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 9.0 miles of segment	9	26	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Upper 4 miles of segment	4	16	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 9.0 miles of segment	9	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Upper 4 miles of segment	4	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	0		

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Aquatic Life Use (continued)

2002	Dissolved Oxygen 24hr minimum	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 9.0 miles of segment	9	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Upper 4 miles of segment	4	0		
2002	Acute Metals in water	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Chronic Metals in water	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Acute Organics in water	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Chronic Toxicity tests in water	No Concern-Limited Data	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	4		
2002	Chronic Toxicity tests in water	No Concern-Limited Data	Lower 9.0 miles of segment	9	5	0	
2002	Chronic Toxicity tests in sediment	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	1		
2002	Chronic Toxicity tests in sediment	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Overall Aquatic Life Use	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Aquatic Life Use	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Aquatic Life Use	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Aquatic Life Use	Fully Supporting	Lower 9.0 miles of segment	9			
2002	Overall Aquatic Life Use	Fully Supporting	Upper 4 miles of segment	4			

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Contact Recreation Use

2002	Enterococci single sample	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	0		
2002	Enterococci single sample	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	0		
2002	Enterococci single sample	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	0		
2002	Enterococci single sample	Not Assessed	Lower 9.0 miles of segment	9	0		
2002	Enterococci single sample	Not Assessed	Upper 4 miles of segment	4	0		
2002	Enterococci geometric mean	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	0		
2002	Enterococci geometric mean	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	0		
2002	Enterococci geometric mean	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	0		
2002	Enterococci geometric mean	Not Assessed	Lower 9.0 miles of segment	9	0		
2002	Enterococci geometric mean	Not Assessed	Upper 4 miles of segment	4	0		
2002	Fecal coliform single sample	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	18	1	
2002	Fecal coliform single sample	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	26	0	
2002	Fecal coliform single sample	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	13	1	
2002	Fecal coliform single sample	Fully Supporting	Lower 9.0 miles of segment	9	26	2	
2002	Fecal coliform single sample	Fully Supporting	Upper 4 miles of segment	4	17	0	
2002	Fecal coliform geometric mean	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	18		21
2002	Fecal coliform geometric mean	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	26		11

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Contact Recreation Use (continued)

2002	Fecal coliform geometric mean	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	13		10
2002	Fecal coliform geometric mean	Fully Supporting	Lower 9.0 miles of segment	9	26		14
2002	Fecal coliform geometric mean	Fully Supporting	Upper 4 miles of segment	4	17		21
2002	Overall Recreation Use	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Recreation Use	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Recreation Use	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Recreation Use	Fully Supporting	Lower 9.0 miles of segment	9			
2002	Overall Recreation Use	Fully Supporting	Upper 4 miles of segment	4			

General Use

2002	Water Temperature	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	19	0	
2002	Water Temperature	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	27	0	
2002	Water Temperature	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	13	0	
2002	Water Temperature	Fully Supporting	Lower 9.0 miles of segment	9	27	0	
2002	Water Temperature	Fully Supporting	Upper 4 miles of segment	4	17	0	
2002	pH	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	18	0	
2002	pH	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	26	0	
2002	pH	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	13	0	

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General Use (continued)

2002	pH	Fully Supporting	Lower 9.0 miles of segment	9	26	0	
2002	pH	Fully Supporting	Upper 4 miles of segment	4	16	0	
2002	Overall General Use	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall General Use	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall General Use	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall General Use	Fully Supporting	Lower 9.0 miles of segment	9			
2002	Overall General Use	Fully Supporting	Upper 4 miles of segment	4			

Fish Consumption Use

2002	Human Health Criteria Metals	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Human Health Criteria Organics	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Overall Fish Consumption Use	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Fish Consumption Use	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Fish Consumption Use	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Fish Consumption Use	Not Assessed	Lower 9.0 miles of segment	9			
2002	Overall Fish Consumption Use	Not Assessed	Upper 4 miles of segment	4			

Overall Use Support

2002		Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002		Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			

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Overall Use Support (continued)

2002		Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002		Fully Supporting	Lower 9.0 miles of segment	9			
2002		Fully Supporting	Upper 4 miles of segment	4			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	20	5	
2002	Ammonia Nitrogen	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	23	0	
2002	Ammonia Nitrogen	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	14	1	
2002	Ammonia Nitrogen	No Concern	Lower 9.0 miles of segment	9	23	1	
2002	Ammonia Nitrogen	Concern	Upper 4 miles of segment	4	18	8	
2002	Nitrite + Nitrate Nitrogen	Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	18	12	
2002	Nitrite + Nitrate Nitrogen	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	21	3	
2002	Nitrite + Nitrate Nitrogen	Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	12	6	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 9.0 miles of segment	9	21	3	
2002	Nitrite + Nitrate Nitrogen	Concern	Upper 4 miles of segment	4	16	13	
2002	Orthophosphorus	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	19	3	
2002	Orthophosphorus	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	22	2	
2002	Orthophosphorus	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	13	3	

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Nutrient Enrichment Concern (continued)

2002	Orthophosphorus	No Concern	Lower 9.0 miles of segment	9	22	0	
2002	Orthophosphorus	No Concern	Upper 4 miles of segment	4	17	4	
2002	Total Phosphorus	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	16	2	
2002	Total Phosphorus	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	23	1	
2002	Total Phosphorus	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	14	1	
2002	Total Phosphorus	No Concern	Lower 9.0 miles of segment	9	23	0	
2002	Total Phosphorus	No Concern	Upper 4 miles of segment	4	15	4	
2002	Overall Nutrient Enrichment Concerns	Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Nutrient Enrichment Concerns	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Nutrient Enrichment Concerns	Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 9.0 miles of segment	9			
2002	Overall Nutrient Enrichment Concerns	Concern	Upper 4 miles of segment	4			

Algal Growth Concern

2002	Chlorophyll a	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	20	5	
2002	Chlorophyll a	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	23	5	
2002	Chlorophyll a	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	14	1	
2002	Chlorophyll a	No Concern	Lower 9.0 miles of segment	9	23	6	

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Algal Growth Concern (continued)

2002	Chlorophyll a	No Concern	Upper 4 miles of segment	4	18	3	
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Sediment Contaminants Concern

2002	Metals in sediment	Not Assessed	Lower 9.0 miles of segment	9	1		
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2002	Organics in sediment	Not Assessed	Lower 9.0 miles of segment	9	2		
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2002	Overall Sediment Contaminant Concerns	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 9.0 miles of segment	9			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 4 miles of segment	4			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 9.0 miles of segment	9			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 4 miles of segment	4			

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Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Narrative Criteria Concerns	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Narrative Criteria Concerns	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 9.0 miles of segment	9			
2002	Overall Narrative Criteria Concerns	No Concern	Upper 4 miles of segment	4			

Overall Secondary Concern

2002		Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002		No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002		Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002		No Concern	Lower 9.0 miles of segment	9			
2002		Concern	Upper 4 miles of segment	4			